

NIEREMBERGIA PLANT NAMED 'SUNNIPARIBU'

Botanical/commercial classification:

Nierembergia hybrida/Nierembergia Plant

5 Varietal denomination: cv. Sunniparibu

BACKGROUND OF THE VARIETY

10 The present invention relates to a new and distinct
variety of Nierembergia plant originated from crossing of
a Nierembergia hybrid variety called 'NB3' as the female
parent and 'NSB4' as the male parent. 'Sunniparibu' is a
vegetative propagated variety.

15 Progress

20 The female parent 'NB3' used in the crossing of
'Sunniparibu' is a strain of our breeding lines grown at
Yokaichi-shi, Shiga-ken, Japan, having a tufted, bushy
shape. The plant height is lower than 'Sunniparibu'. The
flowers are single and medium size, having strong purple
with moderate purple towards the center.

25 The male parent 'NSB4' used in the crossing of
'Sunniparibu' is a strain of our breeding lines grown in
Omi, Shiga-ken, Japan, having erect growth habit. The
plant height is about the same as 'Sunniparibu'. The
flowers are single and large, having light purple with
strong purple towards the center.

30 In July 1995, crossing of 'NB3' (unpatented) as the
female parent and 'NSB4' (unpatented) as the male parent
was conducted at Yokaichi-shi, Shiga-ken, Japan, and
seedlings were obtained. In October 1996, one seedling
35 was selected in view of its growth habit, flower size and
color. That seedling was propagated by cutting, and a
trial was carried out by flower potting in the glasshouse

and field from May to October 1997, at Yokaichi-shi,
Shiga-ken, Japan. The botanical characteristics of that
plant were then examined, using similar varieties
'Sunnicobu' (U.S. Plant Pat. No. 13,934) and
5 'Montebranco' for comparison. As a result, it was
concluded that this Nierembergia plant is distinguishable
from any other variety, whose existence is known to us,
and is uniform and stable in its characteristics. Then
the new variety of Nierembergia plant was named
10 'Sunniparibu'.

In the following description, the color-coding is in
accordance with the Horticultural Colour Chart of The
Royal Horticultural Society, London, England (R.H.S.
15 Colour Chart).

SUMMARY OF THE VARIETY

This new variety is unlike any Nierembergia
20 commercially available as evidenced by the following
unique combinations of characteristics.

1. Erect growth habit with many branches.
2. Having a great profusion of blooms with the
entire plant remaining in bloom for a considerable period
25 of time.
3. The flowers are single and large. The petal
color is generally strong purple (R.H.S. 86B) with
moderate purple (R.H.S. 83A) towards the center. Yellow
eye presents at the bottom of corolla throat.
- 30 4. The plant has a high resistance to rain, cold,
heat and disease.

The new variety 'Sunniparibu' differs from the
similar variety 'Sunnicobu' in the following points.

- 35 1. The growth habit of 'Sunniparibu' is erect.
That of 'Sunnicobu' is tufted.
2. The plant of 'Sunniparibu' is larger than that

of 'Sunnicobu'.

3. The leaf of 'Sunniparibu' is larger than that of 'Sunnicobu'.

5 4. The flower diameter of 'Sunniparibu' is larger than that of 'Sunnicobu'.

5. The petal color of 'Sunniparibu' is generally strong purple (R.H.S. 86B), but toward the center becomes moderate purple (R.H.S. 83A). That of 'Sunnicobu' is generally light purple (R.H.S. 85B) with moderate purple (R.H.S. N88C) towards the center.

10 6. The rain, heat, disease resistance of 'Sunniparibu' is stronger than that of 'Sunnicobu'.

The new variety 'Sunniparibu' differs from the similar variety 'Montebranco' in the following points.

15 1. The growth habit of 'Sunniparibu' is erect. That of 'Montebranco' is tufted.

2. The plant of 'Sunniparibu' is larger than that of 'Montebranco'.

20 3. The leaf of 'Sunniparibu' is larger than that of 'Montebranco'.

4. The flower diameter of 'Sunniparibu' is larger than that of 'Montebranco'.

25 5. The petal color of 'Sunniparibu' is strong purple (R.H.S. 86B) with moderate purple (R.H.S. 83A) towards the center. That of 'Montebranco' is yellowish white (R.H.S. 155D).

30 6. The rain, heat, disease resistance and cold hardiness of 'Sunniparibu' are stronger than those of 'Montebranco'.

This new variety of Nierembergia Plant 'Sunniparibu' was asexually reproduced by the use of cuttings at Yokaichi-shi, Shiga-ken, Japan, and homogeneity and stability thereof were confirmed. The instant plant retains its distinctive characteristics and reproduces true to type in successive generations.

BRIEF DESCRIPTION OF THE PHOTOGRAPH

5 The depicted plants had been reproduced by the use
of cuttings and were photographed during September 1998
while growing in 30 cm pot at an age of approximately 10
months at Yokaichi-shi, Shiga-ken, Japan.

10 FIG. 1 illustrates a typical plant of the new
variety of Nierembergia plant 'Sunniparibu' growing in a
pot.

FIG. 2 illustrates a close-up view of foliage and
blossomes of the new variety of Nierembergia plant
'Sunniparibu'.

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DESCRIPTION OF THE VARIETY

The botanical characteristics of the new and
distinct variety of Nierembergia plant named
20 'Sunniparibu' are as follows when observed during
September at Yokaichi-shi, Shiga-ken, Japan, at an age of
approximately 10 months.

Plant:

Growth habit. - Erect.
25 Height. - Approximately 29 cm.
Spread. - Approximately 28 cm.

Stem:

Thickness. - Approximately 2.3 mm.
Color. - R.H.S. 146A (moderate olive green).
30 Branching. - Abundant.
Pubescence. - Present.
Length of internode. - Approximately 9 mm.

Leaf:

Whole shape. - Lanceolate.
35 Length. - Approximately 35 mm.
Width. - Approximately 4.5 mm.
Color of upper side. - R.H.S. 146A (moderate olive

green).

Pubescence. - Absent.

Attachment angle to stem. - Horizontal.

Petiole. - Absent.

5 Flower:

Facing direction. - Upward.

Type. - Single.

Shape. - Rotate, with five-fissures.

Diameter. - Approximately 38 mm.

10 Shape of petal tip. - Obtuse. Considerable variation in the shape and size.

Petal margin. - Entire, occasionally sinuate.

Length of corolla tube. - Approximately 16 mm.

15 Color of petal. - Upper side: R.H.S. 86B (strong purple) with R.H.S. 83A (moderate purple) towards the center. Reverse side: R.H.S. 85B (light purple).

Eye color. - R.H.S. 6B (brilliant greenish yellow).

Size of eye color. - Approximately 4.0 mm.

20 Outside color of corolla tube. - R.H.S. 85B (light purple).

Flowering habit. - When planted in April in Japan, the blooming period extends from June to October.

Pistil:

Number. - 1.

25 Color of stigma. - R.H.S. 144A (Strong yellow green).

Stamen:

Number. - 5.

Type. - Epigynocious.

Color of anther. - R.H.S. 12A (vivid yellow).

30 Hardiness:

Winter. - Excellent.

Rain. - Excellent.

Heat. - Excellent.

Resistance:

35 Disease. - Excellent.

Insect. - Good. Under the dry condition, may have some damage by the spider mite.

This new variety of Nierembergia plant 'Sunniparibu' is most suitable for flower bedding and potting.